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Subst	Substitute for form 1449/PTO						Complete if Known		
					Application Number	10/531,078			
INFORMATION DISCLOSURE					SURE	Ξ.	Filing Date	2003-10-15	
STA	STATEMENT BY APPLICANT (Use as many sneets as necessary)			•	First Named Inventor	GAINEY; Kenneth M.,			
(l de					Art Unit	2618			
ios					Examiner Name	Sanh D. Phu			
Sheet		1		of	T	9	Attorney Docket No: 080590		

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2(if} known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	001	US4777653	10-11-1988	BONNEROT; Georges, et al.	13		
	002	US5095528	03-10-1992	LESLIE; Samuel A., et al.			
	003	US5280480	01-18-1994	PITT; Daniel A., et al.			
	004	US6333175	07-26-1994	ARIYAVISITAKUL; Sirikiat, et al.			
	005	US5383144	01-17-1995	KATO; Shiro			
	006	US5732334	03-24-1998	MIYAKE; Atsushi			
	007	US5767788	06-16-1998	NESS; James C.			
	800	US5815795	09-29-1998	IWAI; Tohru	***************************************		
	009	US5825809	10-20-1998	SIM; Bok-Tae			
	010	US6215982	04-10-2001	TROMPOWER; Michael L.			
	011	US6377612	04-23-2002	BAKER; Kenneth R.			
	012	US6404775	06-11-2002	LESLIE; Samuel A., et al.	***************************************		
	013	US6480481	11-12-2002	PARK; Su-Won, et al.			
	014	US6535732	03-18-2003	MCINTOSH; Chris P., et al.			
	015	US6539028	03-25-2003	SOH; Kok Hong, et al.			
	016	US6549542	04-15-2003	DONG; Sung-Soo, et al.			
	017	US6694125	02-17-2004	WHITE; Stanley A., et al.			
	018	US6766113	07-20-2004	AL-SALAMEH; Daniel Y., et al.			
	019	US7043203	05-09-2006	MIQUEL; Xavier Barba, et al.			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional), 2. See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 4. For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language. Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1459, Alexandria, VA 22313-1450. O NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1459, Alexandria, VA 22313-1450.

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INFOR	MATION D	ISCLOS	URE	Filing Date	2003-10-15	
STATI	STATEMENT BY APPLICANT (Use as many sheets as necessary)			First Named Inventor	GAINEY; Kenneth M.,	
				Art Unit	2618	
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Sheet	2	of	9	Attorney Dacket No: 080590		

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	020	US7123670	10-17-2006	GILBERT; Jeffrey M., et al.	Appear			
	020	US7132988	11-07-2006	YEGIN; Korkut, et al.				
	022	US7133460	11-07-2006	BAE; Sang-Min, et al.				
•••••	022	US7409186	08-05-2008					
	023	US7430397	09-30-2008	VAN BUREN; V. Alan, et al. SUDA; Hírohito, et al.				
***************************************	024	US7486929	02-03-2009					
	ļ			VAN BUREN; V. Alan, et al.				
	026	US7623826	11-24-2009	PERGAL; Frank				
	027	US20010018328	08-30-2001	OHKURA; Yoshinori, et al.	· · · · · · · · · · · · · · · · · · ·			
	028	US20010040699	11-15-2001	OSAWA; Hidefumi, et al.				
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	033	US20020109585	08-15-2002	SANDERSON; Lelon Wayne				
	034	US20020119783	08-29-2002	BOURLAS, Yair, et al.				
	035	US20020141435	10-03-2002	NEWBERG; Donald G., et al.				
	036	US20020159506	10-31-2002	ALAMOUTI; Siavash, et al.				
	037	US20030026363	02-06-2003	STOTER; Jan, et al.				
	038	US20030185163	10-02-2003	BERTONIS; James G., et al.				

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Sheet 3 of 9	Attorney Docket No: 080590		
(con so many district of necessary)	Examiner Name	Sanh D. Phu	
(Use as many sheets as necessary)	Art Unit	2618	
STATEMENT BY APPLICANT	First Named Inventor	GAINEY; Kenneth M.,	
INFORMATION DISCLOSURE	Filing Date	2003-10-15	
	Application Number	10/531,078	
Substitute for form 1449/PTO	Complete if Known		

		Document Number	Dubliantian		Pages, Columns,
Examiner Initials*	Cite No. ¹	Number-Kind Code ^{2(if} known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Lines, Where Relevant Passages or Relevant Figures Appear
	039	US20030211828	11-13-2003	DALGLEISH; Robert, et al.	
	040	US20040029537	02-12-2004	PUGEL; Michael Anthony, et al.	
	041	US20040157551	08-12-2004	GAINEY; Kenneth M., et al.	
	042	US20040208258	10-21-2004	LOZANO; Angel, et al.	
	043	US20040235417	11-25-2004	DEAN; Richard F.	
	044	US20040248581	12-09-2004	SEKI; Hiroyuki, et al.	
	045	US20050201315	09-15-2005	LAKKIS; Ismail	
	046	US20060035643	02-16-2006	VOOK; Frederick W., et al.	
	047	US20060052066	03-09-2006	CLEVELAND; Joseph R., et al.	
	048	US20060052099	03-09-2006	PARKER; Jeffrey L.	
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	050	US20070025349	02-01-2007	BAJIC; Zeljko	
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	052	US20080057862	03-06-2008	SMITH; James P.	
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	P	OREIGN PATENT I	DOCUMENTS	
Examiner Cite Initials* No.1	Foreign Patent	Publication	Name of Patentee or	Pages, Columns,
	Document	Date	Applicant of Cited Document	Lines, Where

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	Application Number	10/531,078		
INFORMATION DISCLOSURE	Filing Date	2003-10-15		
STATEMENT BY APPLICANT	First Named Inventor	GAINEY; Kenneth M.,		
(Use as many sheets as necessary)	Art Unit	2618		
postorios many amenta da necessary;	Examiner Name	Sanh D. Phu		

		Country Code ³⁻ Number ⁴⁻ Kind Code ⁵ (if known)	MM-DD-YYYY		Relevant Passages or Relevant Figures Appear	T
-	053	EP0709973A1	05-01-1996	NTT MOBILE COMMUNICATIONS NETWORK INC.		
	054	EP0715423	06-05-1996	AT & T CORP [US]		
	055	EP0847146A2	06-10-1998	NEC CORP [JP]		
	056	EP0853393A1	07-15-1998	NTT MOBILE COMMUNICATIONS NETWORK INC.		
	057	GB2351420A	12-27-2000	MOTOROLA LTD.		
	058	JP05063623	03-12-1993	NEC CORP.		⊠
	059	JP05102907	04-23-1993	FUJITSU LTD.		Ø
	060	JP06334577	12-02-1994	NIPPON TELEGRAPH & TELEPHONE.		Ø
	061	JP07030473	01-31-1995	NIPPON TELEGRAPH & TELEPHONE.		Ø
	062	JP07079205	03-20-1995	NIPPON TELEGRAPH & TELEPHONE.		Ø
	063	JP09018484A	01-17-1997	TEC CORP .		Ø
	064	JP09182155	07-11-1997	HITACHI LTD.		×
-	065	JP10032557A	02-03-1998	NEC CORP.		Ø
	066	JP10135892	05-22-1998	MITSUBISHI ELECTRIC CORP.		Ø
	067	JP11055713	02-26-1999	MATSUSHITA ELECTRIC IND CO LTD.		Ø
	068	JP11127104	05-11-1999	MATSUSHITA ELECTRIC IND CO LTD.		Ø
	069	JP2000031877	01-28-2000	SHARP CORP.		Ø
	070	JP2000082983A	03-21-2000	KOKUSAI ELECTRIC CO LTD.		Ø

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STATEMENT BY APPLICANT	First Named Inventor	GAINEY; Kenneth M.,	
(Use as many sheets as necessary)	Art Unit	2618	
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Sheet 5 of 9	Attorney Docket No: 080590		

			OREIGN PATENT I	OCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³⁻ Number ⁴⁻ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
;	071	JP2000269873	09-29-2000	KOKUSAI ELECTRIC CO LTD.		⊠
	072	JP2000502218T	02-22-2000	QUALCOMM INC.		⊠
	073	JP2001111575A	04-20-2001	MATSUSHITA ELECTRIC IND CO LTD.		Ø
	074	JP2001244864A	09-07-2001	HITACHI LTD.		Ø
	075	JP2002033691	01-31-2002	SONY INT EUROP GMBH.		⊠
	076	JP2002111571A	04-12-2002	NIPPON TELEGR & TELEPH CORP:		2
	077	JP2005531202	10-13-2005	WIDEFI, INC.		Ø
	078	JP2005531265	10-13-2005	QUALCOMM INC.	***************************************	Ø
	079	JP2006503481	01-26-2006	QUALCOMM INCORPORATED.		83
	080	JP2006505146	02-09-2006	QUALCOMM INC [US]		⊠
	081	JP62040895	02-21-1987	TOSHIBA CORP.		⊠
	082	JP63160442	07-04-1988	HITACHI DENSHI LTD.		Ø
	083	JP64011428	01-17-1989	TOYO COMMUN EQUIP CO LTD.		Ø
<u></u>	084	KR100610929	08-10-2006	SAMSUNG THALES CO LTD [KR]		Ø
	085	RU2120702C1	10-20-1998	BRITISH TELEKOMM'JUNIKEJSHN' Z PABLIK LIMITED KOMPAN.		□
	086	WO0050971A2	08-31-2000	BERKELEY CONCEPT RESEARCH CORP [US]		□

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INFORMATION DISCLOSURE	Filing Date	2003-10-15	
STATEMENT BY APPLICANT	First Named Inventor	GAINEY; Kenneth M.,	
(Use as many sheets as necessary)	Art Unit	2618	
(1550 53 1001) 375015 55 1005 5501	Examiner Name	Sanh D. Phu	
Sheet 6 of 9	Attorney Docket No: 080590		

		F	OREIGN PATENT I	DOCUMENTS		
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	087	WO0152447	07-19-2001	ANDREW CORPORATION [US]	Appear	Ε
	088	WO0182512A1	11-01-2001	KOREA TELECOM FREETEL CO., LTD. [KR]		Ε
	089	WO03013005A2	02-13-2003	SPOTWAVE WIRELESS INC [CA]		Е
	090	WO04032362	04-15-2004	WIDEFI, INC.		Ε
	091	WO04038958	05-06-2004	WIDEFI, INC.		E
-	092	WO05115022	12-01-2005	WIDEFI, INC.		Ε
*****	093	WO2004001986A2	12-31-2003	TANTIVY COMM INC [US]		E
	094	WO92014339	08-20-1992	BRITISH TELECOMMUNICATIONS.		
	095	WO97034434	09-18-1997	MOTOROLA INC [US]		
	096	WO9858461A1	12-23-1998	ERICSSON TELEFON AB L M [SE]		С
	097	WO9959264A2	11-18-1999	NOKIA NETWORKS OY [FI]		C
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т2

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Sheet 7 of 9	Attorney Docket No: 080590		

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	098	KANNANGARA, et al., "Analysis of an Adaptive Wideband Duplexer with Double-Loop Cancellation," IEEE Transactions on Vehicular Technology, vol. 56, no. 4, July 2007, pp. 1971-1982.		
	099	KUTLU, et al., "Performance Analysis of MAC Protocols for Wireless Control Area Network," 1996 IEEE, pp. 494-499.		
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	102	Official communication issued from the European Patent Office dated August 7, 2007 for the corresponding European patent application No. 03759271.4-2412.		
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	104	Supplementary European Search Report - EP03759271, Search Authority - Munich Patent Office, 09-14-06 (080590EP).		
	105	Translation of Office Action in Japanese application 2004-515701, corresponding to US application 10/516,327, citing WO00050971, JP2000-031877, JP2002-033691, JP2002-111571 and JP11-127104, Dated 2010-05-25 (080583JP).		
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	107	Translation of Office Action in Japanese application 2004-553510, corresponding to US application 10/533,589, citing W000050971, JP09-182155, JP64-011428 and JP62-040895. Dated 2009-09-29 (080588JP).		
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	109	Translation of Office Action in Japanese application 2004-565505, corresponding to US application 10/563,471, citing JP08-097762, JP2001-111575, JP09-018484 and JP11-055713. Dated 2010-09-14 (080589JP).		
	110	Translation of Office Action in Japanese application 2004-565505, corresponding to US		

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	Application Number	10/531,078	
INFORMATION DISCLOSURE	Filing Date	2003-10-15	
STATEMENT BY APPLICANT	First Named Inventor	GAINEY; Kenneth M.,	
(Use as many sheets as necessary)	Art Unit	2618	
(use as many singers as necessary)	Examiner Name	Sanh D. Phu	
Sheet 8 of 9	Attorney Docket No: 080	590	

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Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т2
		application 10/563,471, citing JP09-018484. Dated 2010-02-23 (080589JP).	
	111	Translation of Office Action in Korean application 2008-7026775, corresponding to US application 11/730,361, citing KR100610929 Dated 2010-08-30 (080600KR).	а
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